

# Leo Singleton

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## SUMMARY

Results-driven AI Product Engineer with over four years of experience in designing and implementing AI solutions that enhance operational efficiency while improving patient care. Skilled in cloud-native architectures, tying together technologies like Python, TypeScript, and Node.js for impactful developments in healthcare platforms. Eager to leverage a strong collaborative approach and deep technical knowledge to influence the delivery of intelligent services. Proven track record of partnering with diverse teams to transform ideas into tangible products addressing real-world needs. Committed to ongoing improvement through innovative thinking and effective problem-solving.

## EXPERIENCE

**AI Product Engineer** January 2023 - Present  
Innovative Tech Solutions *Austin, TX*

Lead efforts in developing AI-driven applications that elevate patient management and claims processing within healthcare ecosystems. Spearheaded cross-functional collaboration across clinical and operations teams for implementing intelligent document processing solutions. Conducted architecture reviews and organized design workshops, creating environments conducive to innovation and technology implementation.

- Orchestrated development lifecycle for AI solutions targeting patient engagement.
- Guided teams in leveraging advanced data processing techniques to streamline operational workflows.
- Facilitated brainstorming sessions to identify opportunities for technological improvements.
- Contributed to cohesive environment where technical and healthcare expertise aligned on common goals.

**Software Engineer** June 2021 - December 2022  
NextGen Health Technologies *Seattle, WA*

Drove design and implementation of cloud-native microservices tailored for healthcare applications using AWS tools. Applied machine learning algorithms to enhance accuracy in managing patient records, ensuring regulatory compliance and interoperability. Worked closely with stakeholders and clinical experts to build solutions reflecting their specifications.

- Designed scalable backend services navigating complexities in health data workflow.
- Collaborated with multi-disciplinary teams pushing boundaries of technical integration.
- Engaged in iterative testing practices to thoroughly validate solution performances.
- Provided mentorship to junior developers on best practices and coding standards.

**Software Developer Intern** June 2020 - August 2020  
Future Innovations Inc. *San Francisco, CA*

Focused on assisting development projects aimed at integrating AI functionalities into health management tools. Participated actively in requirement-gathering processes alongside cross-functional teams to ensure user-friendly interface designs.

- Contributed to building prototypes of health-related applications.
- Assisted in conducting usability tests to capture user feedback effectively.
- Documented software requirements for enhanced project clarity.
- Proactively sought feedback from teams to iterate upon ongoing development models.

## LEADERSHIP & AWARDS

- Recognized as Employee of the Month for outstanding contributions to AI innovations in patient care solutions.
- Awarded Best Project for developing an internal tool that improved coordination between clinical teams.

## EDUCATION

**Bachelor's Degree in Computer Science** 2020  
University of Colorado Boulder GPA: 3.8 *Boulder, CO*

**Coursework:** Data Structures, Algorithms, Database Management, Software Engineering

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate 📅 2022
- Certified Kubernetes Administrator 📅 2021

## TECHNICAL SKILLS

- Programming Languages:** Python, TypeScript, Node.js

- **Development Tools:** Git, Docker, Jenkins
- **Cloud Services:** AWS Lambda, EC2, S3
- **Frameworks:** Flask, Express, Django
- **Databases:** PostgreSQL, MongoDB, DynamoDB
- **AI/ML Technologies:** TensorFlow, PyTorch, OpenAI API
- **DevOps Practices:** CI/CD, Infrastructure as Code, Agile
- **Document Processing Tools:** Apache Tika, Google Cloud Vision, OCR
- **Testing Frameworks:** Jest, Mocha, Selenium
- **Communication Tools:** Slack, Zoom, Microsoft Teams

**SKILLS**

- |                         |                                   |                             |                                  |
|-------------------------|-----------------------------------|-----------------------------|----------------------------------|
| • AI/ML Development     | • Node.js                         | • Data Analysis             | • API Development                |
| • Cloud Computing (AWS) | • Intelligent Document Processing | • Backend Development       | • Cross-Functional Collaboration |
| • Python                | • Agile Methodologies             | • NLP Implementation        | • Problem Solving                |
| • TypeScript            | • Microservices Architecture      | • Secure Cloud Environments | • Use Case Analysis              |

**PROFESSIONAL AFFILIATIONS**

- Active member of local AI and Machine Learning Meetup Group, fostering community learning.
- Volunteer with tech non-profit focusing on digital education for underserved communities.

**LANGUAGES**

- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

AVAILABLE ON REQUEST